START

Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

MAR 31 1994

94-RPS-180

Mr. Joseph S. Stohr
State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

Dear Mr. Stohr:

RESUBMITTAL OF THE STATE ENVIRONMENTAL POLICY ACT ENVIRONMENTAL CHECKLIST FOR VENTILATION UPGRADES, 241-AY AND 241-AZ TANK FARMS

Enclosed please find the revised State Environmental Policy Act (SEPA) Environmental Checklist for Ventilation Upgrades, 241-AY and 241-AZ Tank Farms. The SEPA Environmental Checklist was previously submitted to your office on March 2, 1994, however the certification statement was inadvertently unsigned. A minor page numbering change has also been made.

Should you have any questions, please contact me or Mr. S. D. Stites of my staff on (509) 376-8566.

Sincerely,

James D. Bauer, Program Manager
Office of Environmental Assurance,
Permits, and Policy

EAP:SDS

Enclosure

cc w/encl:
Administrative Records
J. Kalia, WHC
J. Luke, WHC

Enclosure
Incoming:9400871

STATE ENVIRONMENTAL POLICY ACT

ENVIRONMENTAL CHECKLIST

FOR

VENTILATION UPGRADES,

241-AY AND 241-AZ TANK FARMS

REVISION 0

February 7, 1994

WASHINGTON ADMINISTRATIVE CODE
ENVIRONMENTAL CHECKLIST FORMS
[WAC 197-11-960]

A. BACKGROUND

1. Name of proposed project, if applicable:

The name of this proposed project is Ventilation Upgrades, 241-AY and 241-AZ Tank Farms that would occur on the Hanford Site, Richland, Washington. This *State Environmental Policy Act* (SEPA) *of 1971* Environmental Checklist is being submitted concurrently with the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms Notice of Construction (NOC).

2. Name of applicants:

U.S. Department of Energy, Richland Operations Office

3. Address and phone number of applicants and contact persons:

U.S. Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

Contact:

J. D. Bauer, Program Manager
Office of Environmental Assurance,
Permits, and Policy
(509) 376-5441

4. Date checklist prepared:

February 1994

5. Agency requesting the checklist:

State of Washington
Department of Ecology
P.O. Box 47600
Olympia, Washington 98504-7600

6. **Proposed timing or schedule: (including phasing, if applicable):**

This SEPA Environmental Checklist is being submitted concurrently with the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms NOC. The NOC is submitted in accordance with the State of Washington Department of Ecology (Ecology) *Controls for New Sources of Toxic Air Pollutants*, Washington Administrative Code (WAC) 173-460, which requires submittal of an NOC, and approval by Ecology prior to the state of construction of a new toxic air pollution source.

7. **Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

Yes. This proposed demonstration of the capability of mixer pumps to mobilize sludge at the bottom of the double-shell tank (DST) will eventually allow the tank contents to be retrieved for treatment and disposal. The ventilation portion of this proposed action is not connected to any other action.

8. **List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.**

This SEPA Environmental Checklist is being submitted to Ecology concurrently with the NOC for the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms. The original project number for this proposed action was identified as Project W-E14, and has since been refined and updated by subdividing into Projects W-151 (241-AZ-101 Process Test) and W-030 (Ventilation Upgrades to 241-AY and 241-AZ Tank Farms). In May of 1989, a Memorandum-To-File (MTF) was received by Westinghouse Hanford Company (WHC) from the U. S. Department of Energy, Richland Operations Office (RL) for the "Tank Farm Ventilation Upgrade" portion of Project W-E14. In August 1990, a MTF was received by Westinghouse Hanford Company (WHC) from RL for the "241-AZ-101 Retrieval System Process Test" portion of Project W-E14. In these MTFs, DOE-RL stated that no additional National Environmental Policy Act (NEPA) documentation is required for these two projects under Project W-E14 since the proposed action is within the scope of the existing DOE EIS-0113, "Disposal of Hanford Defense High-Level, Transuranic, and Tank Wastes," issued in 1987.

General information concerning the Hanford Facility environment can be found in the *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNL-6415, Revision 5, December 1992. This document is updated annually by Pacific Northwest Laboratory (PNL), and provides current information concerning climate and meteorology; ecology; history and archeology; socioeconomics; land use and noise levels; and geology and hydrology. These baseline data for the Hanford Site and its past activities are useful for evaluating proposed activities and their potential environmental impacts.

9. Do you know whether applications are pending for government approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No applications to government agencies are known to be pending for this proposed action.

10. List any government approvals or permits that will be needed for your proposal, if known.

Approvals or permits that may be required at this time would include those pursuant to the following regulations:

- Radioactive Air Emissions Program, administered by the State of Washington Department of Health (DOH) according to WAC 246-247.

- National Emission Standards for Hazardous Air Pollutants, administered by the U.S. Environmental Protection Agency (EPA) according to 40 Code of Federal Regulations 61, Subpart H.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

Tank Farms 241-AY and 241-AZ are located at adjacent sites in the 200 East Area of the Hanford Site. Each tank farm contain two DSTs and a single system ventilates all four tanks with a common stack. Two projects that have the potential to increase air emissions from these farms are currently underway. Project W-151, 101-AZ Retrieval System, will add two 300 horsepower mixer pumps to tank 241-AZ-101, to demonstrate retrieval methods. Project W-030, Tank Farm Ventilation Upgrade, will modify the existing ventilation system currently in use in these tank farms. The modifications proposed under Project W-030 will NOT result in an increase in air emission, and the project would be proceeding even if Project W-151 would not be proposed. However, because of the increased ventilation requirements due to Project W-151, Project W-030 is being designed to meet any additional requirements. Due to the additional heat load of the mixer pumps, and the agitation of the waste by the pumps, emissions from the tank will potentially increase due to Project W-151, although the potential impact to the public will decrease when these proposed activities are complete. Although Project W-030, individually, may not require approval prior to the start of construction, both projects are included in this application, in an effort to avoid the appearance that the Hanford Site is proceeding with activities without all of the necessary approvals.

The ventilation system will contain a recirculation loop of 500 standard cubic feet per minute (scfm) from each of the four tanks that will feed into individual condenser and moisture separators. When the mixer pumps

in Tank 241-AZ-101 are not operated, approximately 100 scfm will be split from each of the four tank loops after treatment and combined together for discharge to the atmosphere. The remaining 400 scfm for each tank loop will be recirculated back into their respective tanks. When the mixer pumps are operated, approximately 500 scfm will be drawn from 241-AZ-101, and 100 scfm from the other three tanks, for discharge to the atmosphere. The remaining flow will be recirculated to the tanks. The ventilation system will be operated 24 hours a day, 365 days a year.

12. **Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms would be located in the 241-AY and 241-AZ Tank Farms in the 200 East Area on the Hanford Site, approximately 30 miles (48 kilometers) northwest of the City of Richland, Washington. The section, township, and range for the area are as follows: Section 4, Township 12N, Range 27E.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other_____.

Flat.

b. What is the steepest slope on the site (approximate percent slope)?

The approximate slope of the land at the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms is less than two percent.

c. What general types of soils are found on the site? (for example, clay, sandy gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

The soil types in the 200 East Area and around the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms consist mainly of eolian and fluvial sands, gravel, and crushed gravel. More detailed information concerning specific 200 East Area soil classifications can be found in the *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNL-6415, Revision 5, December 1992. Farming is not permitted on the Hanford Site.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

No.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

All filling or grading that may be required would be for ventilation modifications, and would take place within the existing 241-AY and 241-AZ Tank Farms.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Very minor erosion might occur temporarily during ventilation modifications, however, good engineering practices would take place to control any excess erosion.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

None in addition to existing surfaces.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

The finished grade and the areas disturbed during upgrade activities would be stabilized on completion of this effort, while dust would be controlled by water sprinkling equipment.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities, if known.

Minor amounts of exhaust and dust would be generated by vehicles and construction personnel during the modification phase of this project. On completion of the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms, vehicular traffic would cease supporting this action.

Emissions from operation of the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms, are expected to be similar in magnitude and type as current emissions from the tank farms. Of major concern are emissions of radionuclides and toxic air pollutants. Radionuclide emissions, regulated under 40 CFR 61 Subpart H, WAC 173-480, and WAC 246-247, would be well below the standard of 10 millirem per year listed in the regulations. Emissions from the Hanford Site in calendar year 1991, were calculated to result in an offsite dose of 0.007 millirem, and the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms, is not expected to increase this value. Emissions of toxic air pollutants,

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

regulated under WAC 173-460, are not expected to exceed acceptable source impact levels. Criteria pollutants also might be emitted, but the quantity is not expected to be significant.

An airborne release could occur as a result of upset conditions internally or externally to the tanks. Such a release would not exceed immediately dangerous to life and health concentrations outside the immediate area of the potential spill or release.

b. Are there any off-site sources of emissions or odors that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to the air, if any?

The portion of the stream that is to be discharged to the atmosphere would flow through an emissions control system consisting of a condenser, high efficiency mist eliminator (HEME), heater, and two high efficiency particulate air (HEPA) filters with a high efficiency gas adsorption unit between the HEPAs.

Particulate emissions would be controlled with prefilters and HEPA filters, which are being installed primarily to control radionuclide pollutants. The HEPA filters are rated to remove 99.95 percent of the particles that are 0.3 micro-meters (μm) and larger. A high efficiency gas adsorption unit will also be used, therefore, particulate emissions should not be of concern from this activity.

The stack would be equipped with sampling equipment designed and operated in accordance with 40 CFR 61, Subpart H, and all referenced requirements. Among other design criteria, sample probes would be designed to obtain representative samples, the location would be selected in accordance with referenced standards, and sample line length and bends would be minimized. The sampler for particulates, iodine, and tritium would operate continuously and would be calibrated and audited in accordance with procedures currently used in tank farms. Additionally, for operational purposes, the stack would contain a monitor for beta and gamma radiation.

TO BE COMPLETED BY APPLICANT | EVALUATION FOR AGENCY USE ONLY

3. Water

a. Surface

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

None.

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

The proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms, is not within the 100- or 500-year floodplains as described in the *Hanford Site National Environmental Policy Act (NEPA) Characterization*, PNL-6415, Revision 5, December 1992).

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

TO BE COMPLETED BY APPLICANT | EVALUATION FOR AGENCY USE ONLY

b. Ground

1) **Will ground water be withdrawn, or will water be discharged to ground water? Give general description, purpose, and approximate quantities if known.**

No groundwater would be withdrawn in support of this project, and water would not be discharged to the aquifer. In the vicinity of the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms, the depth to groundwater is over 240 feet (73 meters).

2) **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

None.

c. Water Run-off (including storm water)

1) **Describe the source of run-off (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

The Hanford Facility receives only six to seven inches (15.2 to 17.8 centimeters) of annual precipitation. Precipitation collection from the small instrumentation buildings in 241-AY and 241-AZ Tank Farms would be controlled by channeling water flow run-off in accordance with existing Hanford Site procedures, as described in the Stormwater Pollution Prevention Plan. This precipitation does not reach the groundwater or surface waters. Precipitation would not come in contact with any of the liquid mixed waste contained by the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

TO BE COMPLETED BY APPLICANT

EVALUATION FO

AGENCY USE ONL

2) Could waste materials enter ground or surface waters? If so, generally describe.

Yes, if in the remote possibility that the liquid waste stored in the tanks were to escape from both primary and secondary containment equipment. Operation of these sites would be monitored, and procedures would be in place to prevent or respond to releases to the ground or surface waters. Water run-off would not reach groundwater or surface waters due to sound engineering practices.

d. Proposed measures to reduce or control surface, ground, and run-off water impacts, if any:

The disposal of surface drainage from storm water and snow melt is through natural percolation. Finished grading of the site would provide both run-on and run-off control for the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms, to prevent possible flooding. All ventilation systems and associated piping would have double containment to preclude any contact with water run-off.

4. Plants

a. Check or circle the types of vegetation found on the site.

___ **deciduous tree: alder, maple, aspen, other**
___ **evergreen tree: fir, cedar, pine, other**
___ **shrubs**
___ **grass**
___ **pasture**
___ **crop or grain**
___ **wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other**
___ **water plants: water lily, eelgrass, milfoil, other**
___ **other types of vegetation**

b. What kind and amount of vegetation will be removed or altered?

There is no vegetation found in 241-AY and 241-AZ Tank Farms as these sites are previously disturbed and are presently being operated.

TO BE COMPLETED BY APPLICANT | EVALUATION FOR AGENCY USE ONLY

c. List threatened or endangered species known to be on or near the site.

The 241-AY and 241-AZ Tank Farms have been previously disturbed and do not contain vegetation. No listed threatened or endangered species are known to exist on or near the 241-AY and 241-AZ Tank Farms. An updated biological survey in the general vicinity of the proposed project would be conducted before construction.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

None.

5. Animals

a. Indicate (by underlining) any birds and animals which have been observed on or near the site or are known to be on or near the site:

birds: hawk, heron, eagle, songbirds,
other:.....
mammals: deer, bear, elk, beaver,
other:.....
fish: bass, salmon, trout, herring, shellfish,
other:.....

Raptors (burrowing owls, ferruginous, redtail, and Swainson's hawks) are seen occasionally in the 200 East Area. Small passerines (sparrows, starlings, finches) also may be present in the general vicinity of the 241-AY and 241-AZ Tank Farms. Mule deer, rabbits, badgers, and coyotes occasionally are seen in the general area.

b. List any threatened or endangered species known to be on or near the site.

Two federal and state listed threatened or endangered species have been identified on the 560 square mile (1,450 square kilometer) Hanford Site along the Columbia River; the bald eagle and peregrine falcon. In addition, the state listed white pelican, sandhill crane, and ferruginous hawk also occur on or migrate through the Hanford Site. However, since this proposed action does not disturb any natural habitat, none of these species will be

TO BE COMPLETED BY APPLICANT | EVALUATION FOR AGENCY USE ONLY

impacted by the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

c. Is the site part of a migration route? If so, explain.

The Hanford Site is a part of the broad Pacific Flyway.

d. Proposed measures to preserve or enhance wildlife, if any:

This project contains no specific measures to preserve or enhance wildlife.

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electricity and steam would be used for power, heating, and ventilation at the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None.

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Possible environmental health hazards to workers could arise from the mixer pumps demonstration or installation of the ventilation system for the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms. The hazard could come from exposure to radioactive, dangerous, and/or mixed waste. A chemical spill, release, fire, or explosion could

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

occur only as a result of a simultaneous breakdown in multiple barriers or a catastrophic natural forces event.

1) **Describe special emergency services that might be required.**

Hanford Site security, fire response, and ambulance services are on call at all times in the event of an onsite emergency. Hanford Site emergency services personnel are specially trained to manage a variety of circumstances involving chemical and/or radioactive constituents and situations.

2) **Proposed measures to reduce or control environmental health hazards, if any:**

Stringent administrative controls and engineered barriers would be employed to minimize the probability of even a minor incident and/or accident. All personnel would be trained to follow proper procedures during the mixer pumps demonstration and ventilation upgrades to minimize potential exposure. The Ventilation Upgrades, 241-AY and 241-AZ Tank Farms would have systems for ventilation, radiation monitoring, fire protection, and alarm capability. The ventilation system would maintain a negative air pressure on the 241-AY and 241-AZ tanks.

Chemical and radiological safety hazards would be mitigated by preventing direct contact with the residual chemical constituents; HEPA filtration of all off-gas streams; and protective clothing, appropriate training, and respiratory protection used by onsite personnel as necessary.

b. Noise

1) **What type of noise exists in the area which may affect your project (for example: traffic, equipment, operation, other)?**

While there is a minor amount of traffic, operation, and equipment noise in the vicinity, it is not expected to affect personnel at the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

EVALUATION FOR

TO BE COMPLETED BY APPLICANT

AGENCY USE ONLY

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Some amount of noise from grading equipment and construction would occur only during construction, and would cease upon completion of the Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

3) Proposed measures to reduce or control noise impacts, if any:

If Occupational Safety and Health Administration noise standards are exceeded, appropriate measures to protect workers would be employed.

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

The proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms is part of the U.S. Government-owned Hanford Site, which is used for the management of waste associated with the cleanup from past and/or present production of special nuclear materials, and for energy research. Commercial activities on the Hanford Site include a nuclear power plant and a Washington State administered low-level burial area operated by Ecology.

b. Has the site been used for agriculture? If so, describe.

No portion of the 200 Areas on the Hanford Site has been used for agricultural purposes since 1943, if ever.

c. Describe any structures on the site.

The 241-AY and 241-AZ Tank Farms both have some piping and HEPA filters, along with a small instrument building.

d. Will any structures be demolished? If so, what?

No, however the present ventilation system will be upgraded.

EVALUATION FO

TO BE COMPLETED BY APPLICANT

AGENCY USE ONL

e. What is the current zoning classification of the site?

The Hanford Site is zoned as an Unclassified Use (U) district by Benton County.

f. What is the current comprehensive plan designation of the site?

The 1985 Benton County Comprehensive Land Use Plan designates the Hanford Site as the "Hanford Reservation." Under this designation, land on the Hanford Site may be used for "activities nuclear in nature". Nonnuclear activities are authorized "if and when DOE approval for such activities is obtained".

g. If applicable, what is the current shoreline master program designation of the site?

Does not apply.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No.

i. Approximately how many people would reside or work in the completed project?

No additional staff would be added as a result of the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Does not apply.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Refer to answer to checklist question B.8.f.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

None.

c. Proposed measures to reduce or control housing impacts, if any:

Does not apply.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

The metal ventilation stack is 55 feet high.

b. What views in the immediate vicinity would be altered or obstructed?

None.

c. Proposed measures to reduce or control aesthetic impacts, if any:

None.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

TO BE COMPLETED BY APPLICANT | EVALUATION FOR AGENCY USE ONLY

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

None.

b. Would the proposed project displace any existing recreational uses? If so, describe.

No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any?

None.

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

At this time, no places or objects on or next to 241-AY and 241-AZ Tank Farms are under consideration for, or on, any lists or registers.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None have been identified. Personnel from the PNL Hanford Cultural Resources Laboratory will conduct a cultural resources review prior to any activities for this proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

c. Proposed measures to reduce or control impacts, if any:

Does not apply.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The Hanford Site is not accessed by public streets or highways, in addition, the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms will take place entirely within the 200 East Area fenceline.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

The proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms is not accessible to the public and is not served by public transit.

c. How many parking spaces would the completed project have? How many would the project eliminate?

None.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No extra vehicular trips would be generated by the proposed Ventilation Upgrades, 241-AY and 241-AZ Tank Farms.

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

g. Proposed measures to reduce or control transportation impacts, if any:

None.

15. Public Services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any:

None.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

The utilities that are currently available at the 241-AY and 241-AZ Tank Farms include electricity, water, steam, and telephone.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No new utilities are proposed for this project.

SIGNATURES

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

James D. Bauer, Program Manager
Office of Environmental Assurance,
Permits, and Policy
U.S. Department of Energy
Richland Operations Office

5/31/99
Date

CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
J. D. Bauer, RL (C. E. Sowa, WHC)	J. S. Stohr, Ecology	Incoming:9400871 XRef:9451885D

Subject: RESUBMITTAL OF THE STATE ENVIORNMENTAL POLICY ACT ENVIRONMENTAL CHECKLIST FOR VENTILATION UPGRADES, 241-AY AND 241-AZ TANK FARMS

INTERNAL DISTRIBUTION

Approval	Date	Name	Location	w/att
		Correspondence Control	A3-01	
		D. J. Carrell	H6-22	
		K. A. Colosi	R3-27	
		G. M. Crummel	R1-51	
		L. P. Diediker	T1-30	
		W. T. Dixon, Assignee	H6-21	
		J. H. Dunkirk	B3-06	
		J. Kalia	G6-06	
		J. J. Luke	H6-25	
		H. E. McGuire, Level 1	B3-63	
		E. M. Nordquist	R3-27	
		C. E. Sowa	H6-25	
		K. S. Tollefson	H6-30	
		K. R. Welsch	H6-26	
		EPIC	H6-08	
		CES/File/LB	H6-25	

9413220.3099

54-6000-117 (9/88) (EF) WEF008
Distribution Coversheet